-86°C Ultra Low Temperature Chest Freezers LD-LCF-D10

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Overview

-86 °C Ultra Low Temperature Chest Freezers LD-LCF-D1 Series offer accurate and dependable cold storage, safeguarding the integrity of sensitive materials used in medical, laboratory, and research settings. Equipped with advanced temperature regulation and robust safety systems, these freezers consistently deliver the performance required for essential scientific applications.

Features:

- High-precision microprocessor controller
- Climate Class N design ensures reliable operation under normal indoor conditions
- Digital display for real-time temperature monitoring
- Direct cooling system for rapid temperature pull-down
- USB data logging for long-term temperature records
- Eco-friendly, high-efficiency refrigerant
- Stainless steel inner chamber for durability
- Thick insulation for maximum temperature retention
- Password-protected settings with lockable interface
- Alarms for high/low temperature, high ambient temperature, power failure, and low battery
- Alerts for sensor failure, condenser overheating, USB datalogger issues, and communication errors

Applications:

-86 °C Ultra Low Temperature Chest Freezers are designed for ultra-low temperature storage of sensitive biologicals, pharmaceuticals, and research samples across clinical, laboratory, and industrial environments.

Specifications:

Casters	4
Capacity	50 L
Compressor	1 pc
Net Weight	74 Kg
Access Port	1pc. Ø 25 mm
Refrigerant	HC
Cabinet Type	Chest
Defrost Mode	Manual
Gross Weight	120 Kg (wood packing)
Climate Class	N- type

External Lock	Optional
Backup Battery	Yes
Inner Material	Stainless steel
External Material	Cold rolled steel
Temperature Range	-40 ~ -86 ?
Door Lock with Key	Yes
Ambient Temperature	16 – 32 ?
Cooling Performance	-86 ?
Insulation Thickness	L/R:110, B:110 mm
Package Dimension (W x D x H)	788 x 720 x 1283 mm
External Dimension (W x D x H)	650 x 606 x 1080 mm
Internal Dimension (W x D x H)	430 x 305 x 425 mm
Data Logging / Interval / Memory Capacity	USB/Record every 10 minutes / 100,000 data